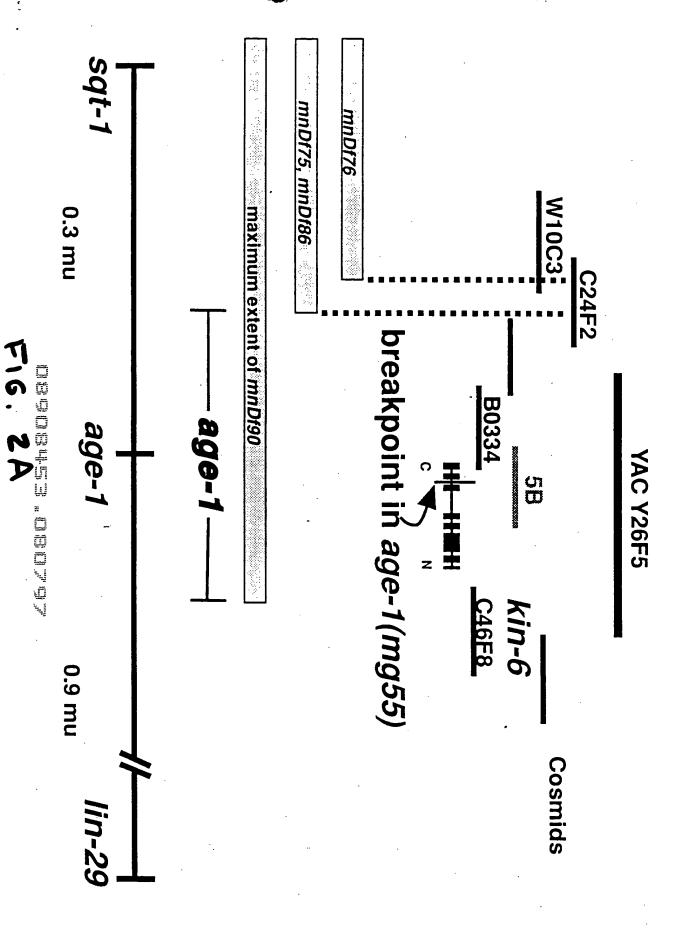
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FIG.

Map of the age-1 Region

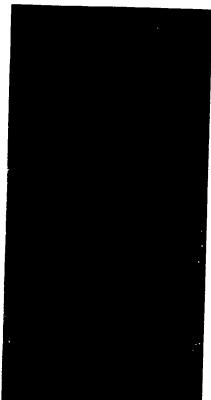


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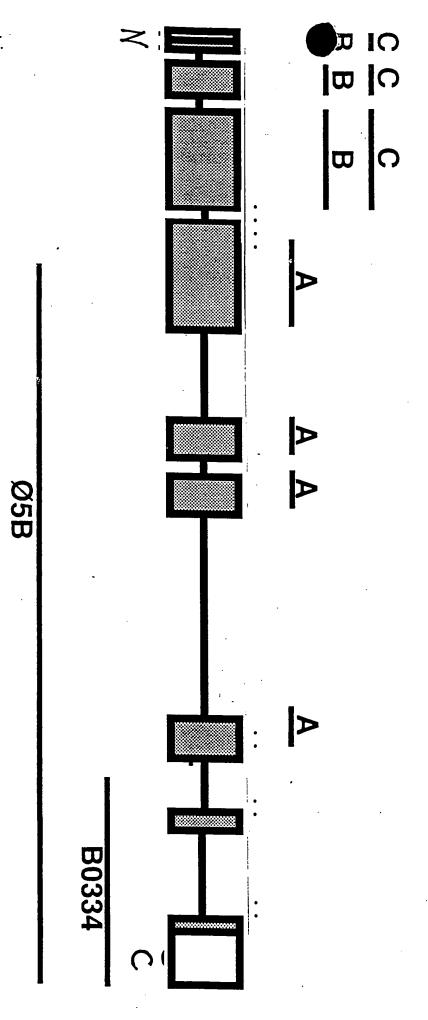
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F16. 2B

Structure of age-1



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Fig. 3 (Sheet 2 of 2)

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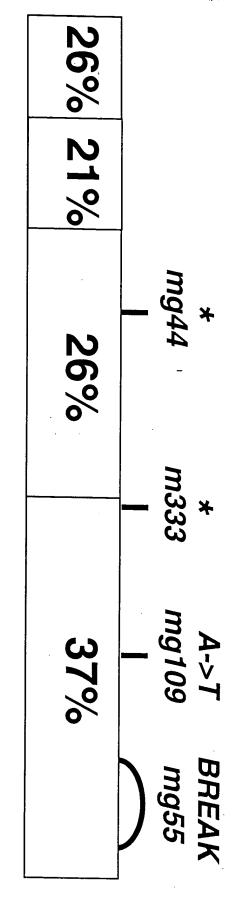
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1141 agcacaccaa aacagagcaa gaacagtgac atggttatga ctgattttcg tccgacagct
1201 tcactcaaac aagtttcact ttgggacctt gacgcgaatc ttatgatacg gcctgtgaat
1261 atttctggat tcgatttccc ggccgacgtg gatatgtacg ttcgaatcga attcagtgta
1321 tatgtgggga cactgacgct ggcatcaaaa tctacaacaa aagtgaatgc tcaatttgca
1381 aaatggaata aggaaatgta cacttttgat ctatacatga aggatatgcc accatctgca
1441 gtactcagca ttcgtgtttt gtacggaaaa gtgaaattaa aaagtgaaga attcgaagtt
1501 ggttgggtaa atatgtccct aaccgattgg agagatgaac tacgacaagg acaattttta
1561 ttccatctgt gggctcctga accgactgcc aatcgtagta ggatcggaga aaatggagca
1621 aggataggca ccaacgcagc ggttacaatt gaaatctcaa gttatggtgg tagagttcga
1681 atgccgagtc aaggacaata cacatatctc gtcaagcacc gaagtacttg gacggaaact
1741 ttgaatatta tgggtgatga ctatgagtcg tgtatcagag atccaggata taagaagctt
1801 cagatgettg teaagaagea tgaatetgga attgtattag aggaagatga acaacgteat
1861 gtctggatgt ggaggagata cattcaaaag caggagcctg atttgctcat tgtgctctcc
1921 gaactegeat ttgtgtggac tgategtgag aactttteeg agetetatgt gatgettgaa
1981 aaatggaaac cgccgagtgt ggcagccgcg ttgactttgc ttggaaaacg ttgcacggat
2041 cgtgtgattc gaaagtttgc agtggagaag ttgaatgagc agctgagccc ggtcacattc
2101 catcttttca tattgcctct catacaggcg ttgaagtacg aaccgcgtgc tcaatcggaa
2161 qttqqaatqa tqctcttqac taqaqctctc tgcgattatc gaattggaca tcgacttttc
2221 tggctgctcc gtgcagagat tgctcgtttg agagattgtg atctgaaaag tgaagaatat
2281 cgccgtatct cacttctgat ggaagcttac ctccgtggaa atgaagagca catcaagatc
2341 atcacccgac aagttgacat ggttgatgag ctcacacgaa tcagcactct tgtcaaagga
2401 atqccaaaag atgttgctac gatgaaactg cgtgacgagc ttcgatcgat tagtcataaa
2461 atggaaaata tggattctcc actggatcct gtgtacaaac tgggtgaaat gataatcgac
2521 aaagccatcg tcctaggaag tgcaaaacgt ccgttaatgc ttcactggaa gaacaaaaat
2581 ccaaagagtg acctgcacct tccgttctgt gcaatgatct tcaagaatgg agacgatctt
2641 cgccaggaca tgcttgttct tcaagttctc gaagttatgg ataacatctg gaaggctgca
```

Figure 4 (Sheet 1 of 2)

2701 aacattgatt gctgtttgaa cccgtacgca gttcttcaa tgggagaaat gattggaatt 2761 attgaagttg tgcctaattg taaaacaata ttcgagattc aagttggaac aggattcatg 2821 aatacagcag ttcggagtat tgatccttcg tttatgaata agtggattcg gaaacaatgc 2881 ggaattgaag atgaaaagaa gaaaagcaaa aaggactcta cgaaaaatcc catcgaaaag 2941 aagattgata atactcaagc catgaagaaa tattttgaaa gtgtcgatcg attcctatac 3001 tcgtgtgttg gatattcagt tgccacgtac ataatgggaa tcaaggatcg tcacagtgat 3061 aatctgatgc tcactgaaga tggaaaatat gtccacattg atttcggtca cattttggga 3121 cacggaaaga ccaaacttgg gatccagcga gatcgtcaac cgtttattct aaccgaacac 3181 tttatgacag tgattcgatc gggtaaatct gtggatggaa attcgcatga gctacaaaaa 3241 ttcaaaacgt tatgcgtcga agcctacgaa gtagtgga ataatcgaga tttgttcgtt 3301 tccttgtca ccttgatgct cggaatggag ttgcctgagc tgtcgacgaa agcggatttg 3361 gatcatttga agaaaaccct cttctgcaat ggagaaagca aagaagaagc gagaaagttt ttcgctggaa tctacgaag agccttcaat ggatcatggt ctaccaaaac gaattggctc 3481 ttccacqcag tcaaacacta ctga

Figure 4 (Sheet 1 of 2)

AND PUTATIVE DOMAINS E-1 WITH MUTATIONS



p85 ras

Unknown

Lipid Kinase

100 a.a.

11中6 AA

T10.5

CELDETE THEORY

(SEQ ID NO: 1)

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1 MHVNILHPOL OTMVEQWOMR ERPSLETENG KGSLLLENEG VADIITMCPF
  51 GEVISVVFPW FLANVRTSLE IKLSDFKHOL FELIAPMKWG TYSVKPODYV
 101 FROLNNFGEI EVIFNDDQPL SKLELHGTFP MLFLYQPDGI NRDKELMSDI
 151 SHCLGYSLDK LEESLDEELR QFRASLWART KKTCLTRGLE GTSHYAFPEE
 201 QYLCVGESCP KDLESKVKAA KLSYQMFWRK RKAEINGVCE KMMKIQIEFN
 251 PNETPKSLLH TFLYEMRKLD VYDTDDPADE GWFLQLAGRT TFVTNPDVKL
 301 TSYDGVRSEL ESYRCPGFVV RRQSLVLKDY CRPKPLYEPH YVRAHERKLA
 351 LDVLSVSIDS TPKQSKNSDM VMTDFRPTAS LKQVSLMDLD ANLMIRPVNI
 401 SGFDFPADVD MYVRIEFSVY VGTLTLASKS TTKVNAQFAK WNKEMYTFDL
 451 YMKDMPPSAV LSIRVLYGKV KLKSEEFEVG WVNMSLTDWR DELROGOFLF
 501 HLWAPEPTAN RSRIGENGAR IGTNAAVTIE ISSYGGRVRM PSQGQYTYLV
 551 KHRSTWTETL NIMGDDYESC IRDPGYKKLO MLVKKHESGI VLEEDEQRHV
 601 WMWRRYIOKO EPDLLIVLSE LAFVWTDREN FSELYVMLEK WKPPSVAAAL
 651 TLLGKRCTDR VIRKFAVEKL NEOLSPVTFH LFILPLIQAL KYEPRAQSEV
 701 GMMLLTRALC DYRIGHRLFW LLRAEIARLR DCDLKSEEYR RISLLMEAYL
 751 RGNEEHIKII TROVDMVDEL TRISTLVKGM PKDVATMKLR DELRSISHKM
 801 ENMDSPLDPV YKLGEMIIDK AIVLGSAKRP LMLHWKNKNP KSDLHLPFCA
 851 MIFKNGDDLR QDMLVLQVLE VMDNIWKAAN IDCCLNPYAV LPMGEMIGII
 901 EVVPNCKTIF EIQVGTGFMN TAVRSIDPSF MNKWIRKQCG IEDEKKKSKK
 951 DSTKNPIEKK IDNTQAMKKY FESVDRFLYS CVGYSVATYI MGIKDRHSDN
1001 LMLTEDGKYV HIDFGHILGH GKTKLGIORD ROPFILTEHF MTVIRSGKSV
1051 DGNSHELQKF KTLCVEAYEV MWNNRDLFVS LFTLMLGMEL PELSTKADLD
1101 HLKKTLFCNG ESKEEARKFF AGIYEEAFNG SWSTKTNWLF HAVKHY
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Figure 6